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CLAIMS

1. A compound having the formula



wherein:

A is a 5-membered or 6-membered substituted or unsubstituted heteroaryl or heterocyclyl ring having one or two heteroatoms selected from the group consisting of O, S, and N and having from 1 or 2 independent substituents when the ring is 5-membered and substituted with 1 to 4 independent substituents when the ring is 6-membered and substituted; and

each of B₁ and B₂ is the same or different substituted or unsubstituted 6-membered aryl or heteroaryl ring;

and salts thereof.

- 2. The compound of claim 1 wherein each of B_1 and B_2 is independently a phenyl or pyridyl group.
- 3. The compound of claim 1 wherein at least one of B₁ and B₂ is singly or independently multiply substituted and the substituents are selected from: a methyl group optionally, independently substituted with one or more halogen, an ethyl group optionally, independently substituted with one or more halogen, a halogen, -OH, -OCH₃, optionally, independently substituted with one or more halogen, and -SCH₃ optionally, independently substituted with one or more halogen.

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4. The compound of claim 3 wherein at least one of B₁ and B₂ is singly or independently multiply substituted and the substituents are selected from: a methyl group, an ethyl group, a halogen, -OCF₃, -OCF₂H, -SCF₃, -OH, -OCH₃, and -SCH₃

- 5. The compound of claim 1 or 2 wherein A is selected from the group consisting of oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyrazolidinyl, pyrazolyl, furanyl, and pyridinyl.
- 6. The compound of claim 1 wherein each of B₁ and B₂ is a singly or multiply substituted phenyl group.
- 7. The compound of any of claims 1, 2, 5 and 6 wherein each of B_1 and B_2 is independently singly or multiply substituted and the substituents are selected from hydroxyl and halogen.
 - 8. The compound of claim 1 wherein one or both of B_1 and B_2 is:

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9. The compound of claim 1 selected from the group consisting of:

wherein:

each X_1 - X_{12} is independently: H, halogen, substituted or unsubstituted C_{1-12} alkyl, substituted or unsubstituted C_{2-12} alkenyl, substituted or unsubstituted C_{2-12} alkynyl, substituted or unsubstituted C_{1-6} alkoxy, oxo, substituted or unsubstituted C_{2-12} alkenyloxy, substituted or unsubstituted C_{5-10} cycloalkenyloxy, substituted or unsubstituted $(C_{2-12}$ alkynyl)oxy, $(C_{1-6}$ alkyl)oxy($(C_{1-6}$ alkyl), substituted or unsubstituted $(C_{1-2}$ aryloxy, $(C_{3-6}$ heteroaryl)- $(C_{1-6}$ alkyl)oxy, $(C_{1-12}$ alkyl)thio, substituted or unsubstituted $(C_{1-4}$ alkyl)-thio- $(C_{1-4}$ alkyl), substituted or

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unsubstituted C_6 - C_{10} aryl, substituted or unsubstituted styryl, substituted or unsubstituted C_{3-12} heteroaryl, substituted or unsubstituted C_{4-8} heterocyclic, wherein the substituents are selected from the group consisting of hydroxy, halo, C_{1-4} alkyl, C_{1-4} trihaloalkyl, C_{1-6} alkoxy, C_{1-4} trihaloalkoxy, bivalent oxy(C_{1-6})alkyloxy, (C_{1-6}) acylamino, (C_{1-6}) acylthio, amino, and azido; or R^5 and R^6 form a C_5 - C_{10} heteroaryl ring, and each of R^4 , R^7 , and R^8 is, independently, hydroxy, halo, C_{1-4} alkyl, C_{1-4} trihaloalkyl, C_{1-6} alkoxy, or C_{1-4} trihaloalkoxy.

- 10. The compound of claim 1 or claim 9 wherein one of B₁ and B₂ is substituted and the other is unsubstituted.
 - 11. The compound of claim 1 or claim 9 wherein both B₁ and B₂ are substituted.
 - 12. The compound of claim 1 or claim 9 wherein both B₁ and B₂ are unsubstituted.
- 13. The compound of claim 1 or claim 9 wherein one of B₁ and B₂ is singly substituted and the other is unsubstituted.
- 14. The compound of claim 1 or claim 9 wherein one or both of B_1 and B_2 are independently substituted and the substituents are selected from :

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wherein each Z is independently H or a C_{1-6} straight chain or branched alkyl, alkenyl, alkynyl, aryl, cycloalkyl, or arylalkyl that is optionally singly or multiply substituted.

- 15. The compound of claim 14 wherein each Z is independently H or a C_{1-6} straight chain or branched alkyl, alkenyl, alkynyl, aryl, cycloalkyl, or arylalkyl that is optionally singly or multiply substituted with a halogen.
- 16. The compound of claim 15 wherein Z is independently selected from: H and a substituted or unsubstituted C₁ alkyl, C₂ alkyl, C₃ alkyl or C₄ alkyl.
 - 17. A compound having the formula:

wherein

A is a 5-membered or 6-membered substituted or unsubstituted heteroaryl or heterocyclyl ring having one or two heteroatoms selected from the group consisting of O, S, and N and having from 1 or 2 independent substituents when the ring is 5-membered and substituted and 1 to 4 independent substituents when the ring is 6-membered and substituted; and one or both of B_{1} and B_{2} are selected from H, -OH,

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wherein each Z is independently H or a C_{1-6} straight chain or branched alkyl, alkenyl, alkynyl, aryl, cycloalkyl, or arylalkyl that is optionally singly or multiply substituted; and and salts thereof.

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18. The compound of claim 17 wherein A is selected from:

wherein each X_{1} - X_{12} is independently: H, halogen, substituted or unsubstituted C_{1-12} alkyl, substituted or unsubstituted C_{2-12} alkenyl, substituted or unsubstituted C_{2-12} alkenyl, substituted or unsubstituted C_{2-12} alkenyloxy, substituted or unsubstituted C_{2-12} alkenyloxy, substituted or unsubstituted C_{2-12} alkenyloxy, (C_{1-6} alkyl)oxy, (C_{1-6} alkyl)oxy, (C_{1-6} alkyl)oxy, (C_{1-6} alkyl)thio, substituted or unsubstituted (C_{2-12} alkyl)-thio-(C_{1-4} alkyl), substituted or unsubstituted or unsubstitute

amino, and azido; or R^5 and R^6 form a C_5 - C_{10} heteroaryl ring, and each of R^4 , R^7 , and R^8 is, independently, hydroxy, halo, C_{1-4} alkyl, C_{1-4} trihaloalkyl, C_{1-6} alkoxy, or C_{1-4} trihaloalkoxy.

19. The compound of claim 18 wherein A is selected from:

- 20. The compound of claim 19 wherein X₂ is selected from H, CH₃, COOH, -CH₂-COOH, -CH₂-COOH and CF₃; X₁₀ and X₁₁ are H or one or both of X₁₀ and X₁₁ are CH₃ or CF₃; X₉ is missing; and X₈ is CH₃ or CF₃.
- 21. The compound of claim 18 wherein each X_1 - X_{12} is independently: H, halogen, substituted or unsubstituted C_1 - C_3 alkyl, substituted or unsubstituted C_1 - C_3 alkoxy, or oxo.

22. The compound of claim 17 selected from:

3-[5-(4-hydroxyphenyl)-4-phenyl-1,3-oxazol-2-yl]propionic acid

3-[4-(4-hydroxyphenyl)-5-phenyl-1,3-oxazol-2-yl]propionic acid

[3-(4-hydroxyphenyl)-4-phenylisoxazol-5-yl]acetic acid

[4-(4-hydroxyphenyl)-3-phenylisoxazol-5-yl]acetic acid

3-[5-(4-hydroxyphenyl)-4-phenyl-1,3-thiazol-2-yl]propionic acid

3-[4-(4-hydroxyphenyl)-5-phenyl-1,3-thiazol-2-yl]propionic acid

[3-(4-hydroxyphenyl)-4-phenylisothiazol-5-yl]acetic acid

[4-(4-hydroxyphenyl)-3-phenylisothiazol-5-yl]acetic acid

4-butyl-1-(4-hydroxyphenyl)-2-phenylpyrazolidine-3,5-dione

4-(5-methyl-3-phenylisoxazol-4-yl)phenol

4-(5-methyl-4-phenylisoxazol-3-yl)phenol

-1-(4-hydroxyphenyl)-3-(trifluoromethyl)-5-(4-chlorophenyl)- pyrazole

1-(4-chloroyphenyl)-3-(trifluoromethyl)-5-(4-hydroxyphenyl)- pyrazole

4-(4-hydroxyphenyl)-3-phenylfuran-2(5H)-one

3-(4-hydroxyphenyl)-4-phenylfuran-2(5H)-one

3-(4-hydroxyphenyl)-5,5-dimethyl-4-phenylfuran-2(5H)-one

4-(4-hydroxyphenyl)-5,5-dimethyl-3-phenylfuran-2(5H)-one

4-(5-chloro-6'-methyl-3,3'-bipyridin-2-yl)phenol

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4-(5-chloro-6'-methyl-2,3'-bipyridin-3-yl)phenol

2-{[5-(4-chlorophenyl)-4-(4-hydroxyphenyl)-1,3-oxazol-2-yl]thio}propionic acid

2-{[4-(4-chlorophenyl)-5-(4-hydroxyphenyl)-1,3-oxazol-2-yl]thio}propionic acid

3-[5-(4-chlorophenyl)-1-(4-hydroxyphenyl)-1H-pyrazol-3-yl]propionic acid

3-[1-(4-chlorophenyl)-5-(4-hydroxyphenyl)-1H-pyrazol-3-yl]propionic acid.

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23. A pharmaceutical composition comprising the compound of claim 1 or claim 17 and a pharmaceutically acceptable carrier.

- 24. The pharmaceutical composition of claim 23 further comprising a second compound having anti-inflammatory activity and/or antinociceptive activity.
- 25. The pharmaceutical composition of claim 24 wherein the second compound is a COX-2 inhibitor.
- 26. The pharmaceutical composition of claim 25 wherein the COX-2 inhibitor is a selective COX-2 inhibitor.
- 27. A method for treating a disorder associated with unwanted COX-2 activity, the method comprising providing a patient with a therapeutically effective serum concentration of the compound of claim 1 or claim 17.
- 28. A method for treating a disorder associated with unwanted COX-2 activity, the method comprising administering the pharmaceutical composition of claim 23 or claim 24.
- 29. A method for inflammation, the method comprising providing a patient with a therapeutically effective serum concentration of the compound of claim 1 or claim 17.
- 30. A method for treating inflammation, the method comprising administering the pharmaceutical composition of claim 23 or claim 24.
- 31. A method for treating pain, the method comprising providing a patient with a therapeutically effective serum concentration of the compound of claim 1 or claim 17.
- 32. A method for treating pain, the method comprising administering the pharmaceutical composition of claim 23 or claim 24.

- 33. A method of claim 31 wherein the pain is nociceptive pain.
- 34. A method of claim 32 wherein the pain is nociceptive pain.
- 35. A method of claim 31 wherein the pain is neuropathic pain.
- 36. A method of claim 32 wherein the pain is neuropathic pain.
- 37. A method for treating anxiety comprising administering the compound of claim 1 or claim 17.
- 38. The compound of claim 1 or claim 17 wherein the compound exhibits an IC $_{50}$ for FAAH that is less than 50 μM .
- 39. The compound of claim 1 or claim 17 wherein the compound exhibits an IC $_{50}$ for FAAH that is less than 10 μM .
- 40. A method for treating anxiety comprising administering the pharmaceutical composition of claim 23 or claim 24.
- 41. A method for treating a sleep disorder comprising administering the compound of claim 1 or claim 17.
 - 42. The method of claim 41 wherein the sleep disorder is insomnia.
- 43. A method for treating a sleep disorder comprising administering the pharmaceutical composition of claim 23 or claim 24.
 - 44. The method of claim 43 wherein the sleep disorder is insomnia